

FILTER ELEMENT

Abstract of the Disclosure

A filter element (8), especially for use in backwash filtering systems, includes a filtering element through which a contaminated fluid flows in at least one direction (24). An intercepting device (62) has at least one rod-shaped permanent magnet or electromagnet (64) that at least partially removes magnetizable, especially ferritic portions from the fluid, before the fluid flows through the filtering element. A detaching device (68) removes the magnetizable portions from the intercepting device (62). The detaching device (68) is configured by a stripper ring (70) that travels along the rod-shaped magnet (64) and removes the portions retained by the intercepting device (62). When the filtering element is backwashed, the stripper ring (70), moved by the fluid flow, detaches the portions retained by the intercepting device (62). This filter element requires little construction space and allows for the automatic and energetically favorable removal of magnetizable, especially ferritic portions, when the filtering element is backwashed.